

Title (en)
ASIC with a microprocessor and with test facilities

Title (de)
Anwendungsspezifische Integrierte Schaltung mit einem Mikroprozessor und Prüfmitteln

Title (fr)
Circuit intégré à la demande à microprocesseur incorporant des moyens pour le test

Publication
EP 0594478 B1 19980204 (FR)

Application
EP 93402518 A 19931013

Priority
FR 9212647 A 19921022

Abstract (en)
[origin: EP0594478A1] Application-specific integrated circuit (ASIC), comprising a microprocessor (1), at least one functional input (16) of which is connected to a functional output (15) of an electronic circuit of the ASIC, and at least one functional output (11) of which is connected to a functional input of an electronic circuit of the said ASIC, the ASIC including means (9, 30) for porting at least one functional input (16) of the microprocessor to the output (9) of the ASIC and means (21, 24) for porting at least one functional output (11) of the microprocessor to the input/output (8) of the ASIC, in which the ASIC furthermore includes means (24, 41, 42, 45, 50) for disabling the electronic circuits (2, 3, 4, 5) and the microprocessor (1), and which are arranged so as to disable the said functional output (11) of the microprocessor, and at least one electronic gate (21), wired in series between the said output (11) of the microprocessor and the input/output (8) of the ASIC to which it is ported and providing for the flow of signals in one direction, and arranged so that its direction of flow reverses under the control of the said disabling means (24). - Application to computers.
<IMAGE>

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G06F 11/267

IPC 8 full level
G01R 31/28 (2006.01); **G06F 11/22** (2006.01); **G06F 11/267** (2006.01)

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